

Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 12 Sep 2023 until 23:59 on Wednesday 13 Sep 2023
Forecast Issued on Monday 11 Sep 2023 at 14:40

Confidence: Low confidence in clearance time of rain and cloud Tuesday. Higher confidence in a fine day on Wednesday, then low confidence in cloud and precipitation details from Thursday due to slow movement of an area of rain.

Headline for Tuesday 12 Sep 2023: Rain and cloud gradually clearing.

Mountain weather hazards on Tuesday 12 Sep 2023

Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales No Likelihood	Severe chill effect No Likelihood	Poor visibility Medium Likelihood
Thunderstorms No Likelihood	Heavy persistent rain Low Likelihood	Strong sunlight Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Heavy Rain	Fog	Fog	Cloudy	Cloudy	Sunny intervals	Clear night	Clear night
Precipitation probability							
80%	60%	30%	30%	20%	10%	10%	10%

Forecast for Tuesday 12 Sep 2023

Weather: Overnight rain will largely clear to the south and east during Tuesday morning with drier, and fresher conditions gradually becoming established. Showery rain may linger in places however, easing through the day, with the best of the brightness in western hills during the afternoon.

Chance of cloud-free hill tops above 600m: 30% increasing to 80%

Low Cloud and visibility: Widespread low cloud with base 400-500m overnight will gradually lift towards 800m as rain clears, although there remains low confidence in timings. Lifting further during the afternoon to clear the summits. Visibility will be poor in overnight rain and any drizzle, very poor in cloud covering hills, improving to good or very good as cloud lifts and clears.

Forecast for Tuesday 12 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/10 N	7/12 N	6/11 N	9/14 NE	10/16 NE	12/17 NE	12/20 NE	11/19 NE	9/15 NE
300	5/10 N	7/13 N	7/12 N	9/15 NE	10/16 NE	9/17 NE	9/19 NE	8/20 NE	6/15 NE
Valley	3/7 N	8/16 N	7/14 N	8/14 NE	7/14 NE	6/13 NE	7/15 NE	7/16 NE	5/13 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/10	10/8	9/8	10/7	11/8	11/8	9/7	8/5	7/5
300	13/12	12/11	11/9	12/11	14/12	14/12	12/10	9/7	7/6
Valley	14/14	13/12	12/11	14/13	16/15	16/15	14/12	11/9	10/9
Freezing Level*	2900m	2600m	2000m	1800m	1900m	1900m	1800m	1600m	1500m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Note low confidence in cloud details. Where cloud does persist poor visibility could make navigation difficult.

Recent rainfall: measured at Malham: altitude 375m

Recorded at
14:00 on Mon 11 Sep 2023

Last 24 hours:
3.6mm

Last 48 hours:
3.6mm

Last 72 hours:
3.8mm

Forecast for Wednesday 13 Sep 2023

Weather: Sunny spells during the morning, then fair weather cloud will develop to give a cloudier afternoon, but likely remaining widely dry. Temperatures around normal for early autumn, but feeling notably cooler and fresher than of late.

Maximum wind: Easterly becoming southerly 10-15mph gusting 25mph

Chance of cloud-free hill tops above 600m: 80%

Low Cloud and visibility: Fair weather cloud will develop through the morning, but will be above all but the highest tops. High cloud is likely to increase during the afternoon, gradually lowering towards 600-700m during the evening before lowering further overnight.

Temperature: **Valleys:** Plus 10 Celsius becoming plus 17 Celsius.

At 600m: Plus 6 Celsius becoming plus 10 Celsius.

Freezing level: Above the summits.